



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Richard M. WASSERMAN

Group Art Unit: 2763

Application No.: 09/243,689

Examiner: R. Pecone

Filed: February 3, 1999

Docket No.: 101473

For: **HARDWARE VISION SIMULATION SYSTEMS AND METHODS FOR VISION INSPECTION SYSTEMS**

AMENDMENT

RECEIVED

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

APR 17 2002  
Technology Center 2100

Sir:

In reply to the Office Action mailed January 16, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 12, 19 and 28 without prejudice to or disclaimer of the subject matter contained therein.

Please replace claims 1, 20, 21, 22, 37, 38 and 41 as follows:

1. (Amended) A vision system hardware component simulation system corresponding to a machine vision system, comprising:  
a first model representing at least one object;  
a second model representing at least an optical system corresponding to a machine vision system being simulated; and  
a processor that generates a focus-dependent image of a virtual world containing the at least one object based upon the first model and the second model, the image